

POPULATION TRENDS

COLORADO WATER CONGRESS

State Demography Office

Colorado Department of Local Affairs



State Demography Office

- State agency
 - Responsible for population data needed by state agencies
- Department of Local Affairs
 - Prepare data and information in ways that account for local perspectives, needs
- Public information
 - Make data and information readily available to the public, including citizens, businesses and non-profit agencies
- Outreach
 - Work with local governments and others to understand what the numbers are saying



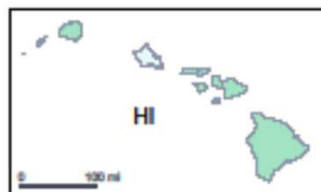
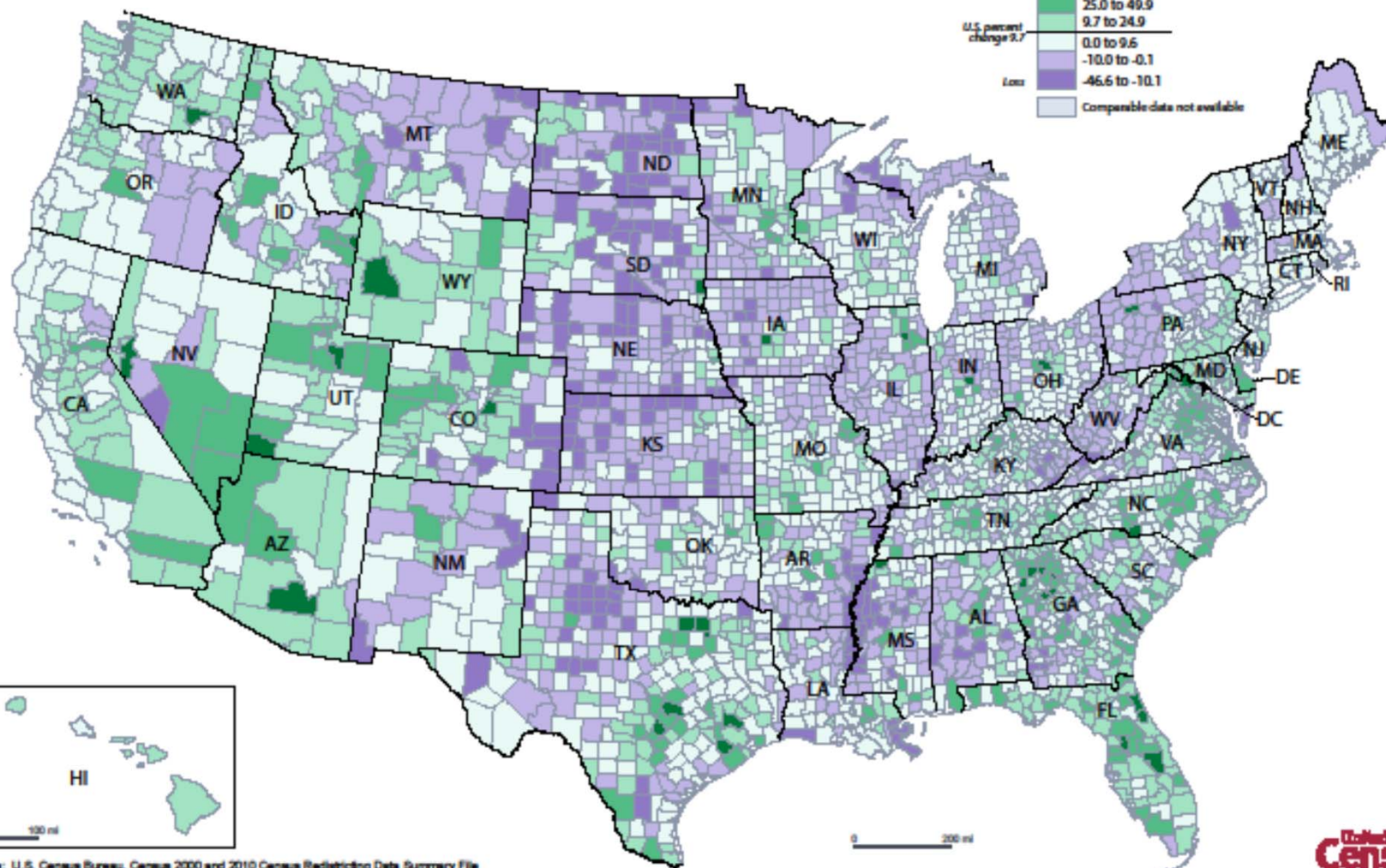
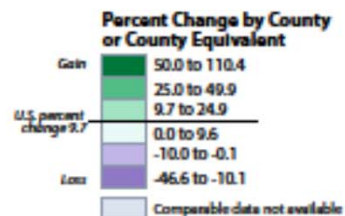
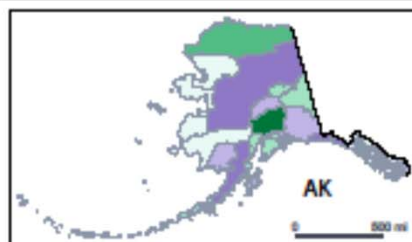
State Demography Office

- Population
 - Estimates
 - Projections
 - Characteristics
- Economics
 - Estimates
 - Projections
 - Base analysis
- GIS-Cartography
 - Special districts
 - Support to Census, municipalities, etc.
- Census state data center



2010 Census Results - United States

Percent Change in Population: 2000 to 2010

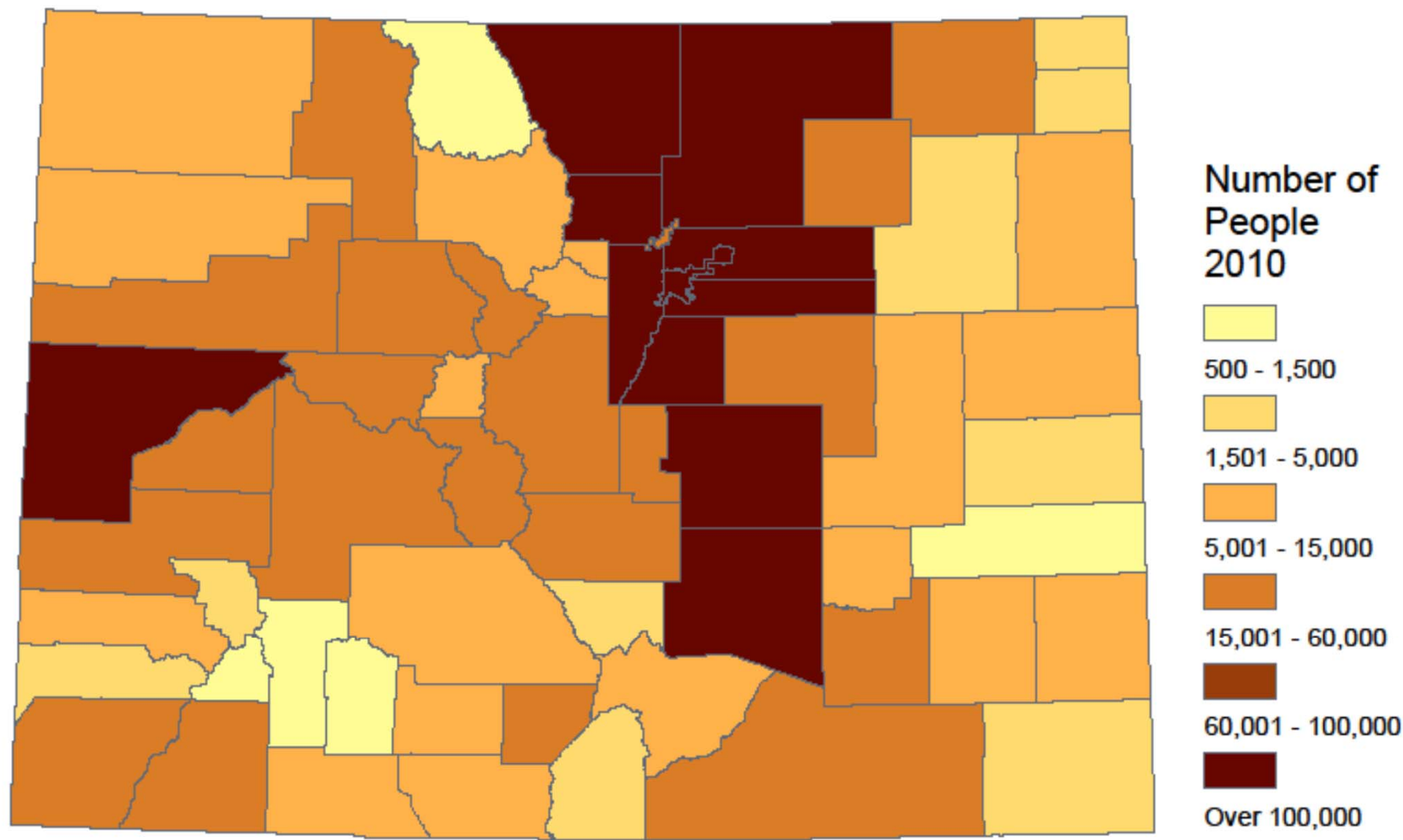


Source: U.S. Census Bureau, Census 2000 and 2010 Census Redistricting Data Summary File
For more information visit www.census.gov

United States
Census

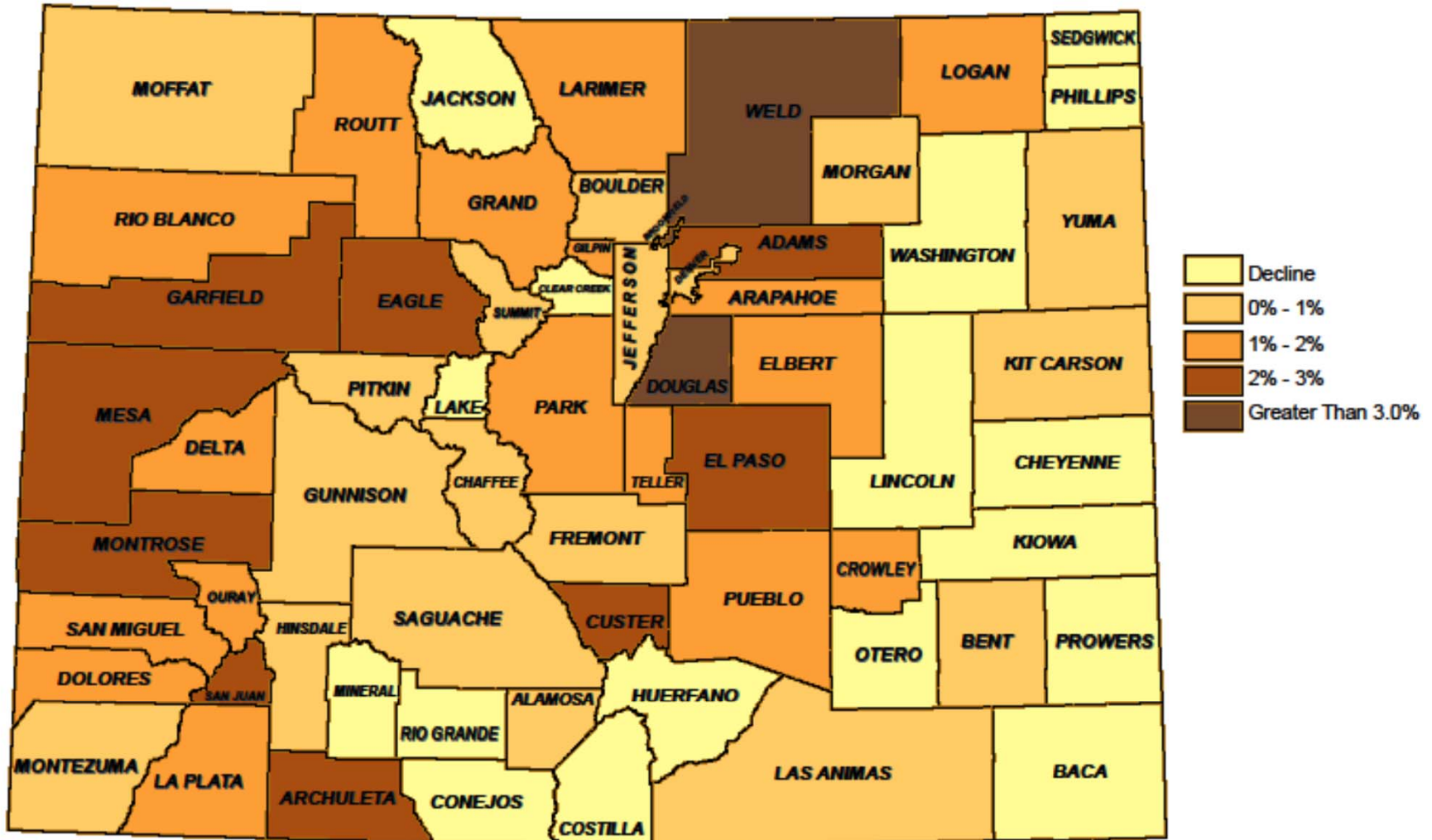
COLORADO

NUMBER OF PEOPLE, 2010



COLORADO POPULATION GROWTH

Average Annual Percent Change 2000-2010



Source: State Demography Office
Prepared: March 2011
Based on SDO Adjusted Year 2000 Estimate,
and Decennial 2010 U.S. Census Estimate

State Demography Office

Top 5 Counties for Population Growth

Population Change 2000-2010

Percent		Total	
Colorado	16.92%	Colorado	727,935
Douglas	62.41%	Douglas	109,699
Weld	39.73%	El Paso	105,334
Garfield	28.77%	Arapahoe	84,036
Mesa	26.21%	Adams	77,746
Eagle	25.30%	Weld	71,889

Source: Census 2010

Population Change Under 18 years

Change in the Population Under 18

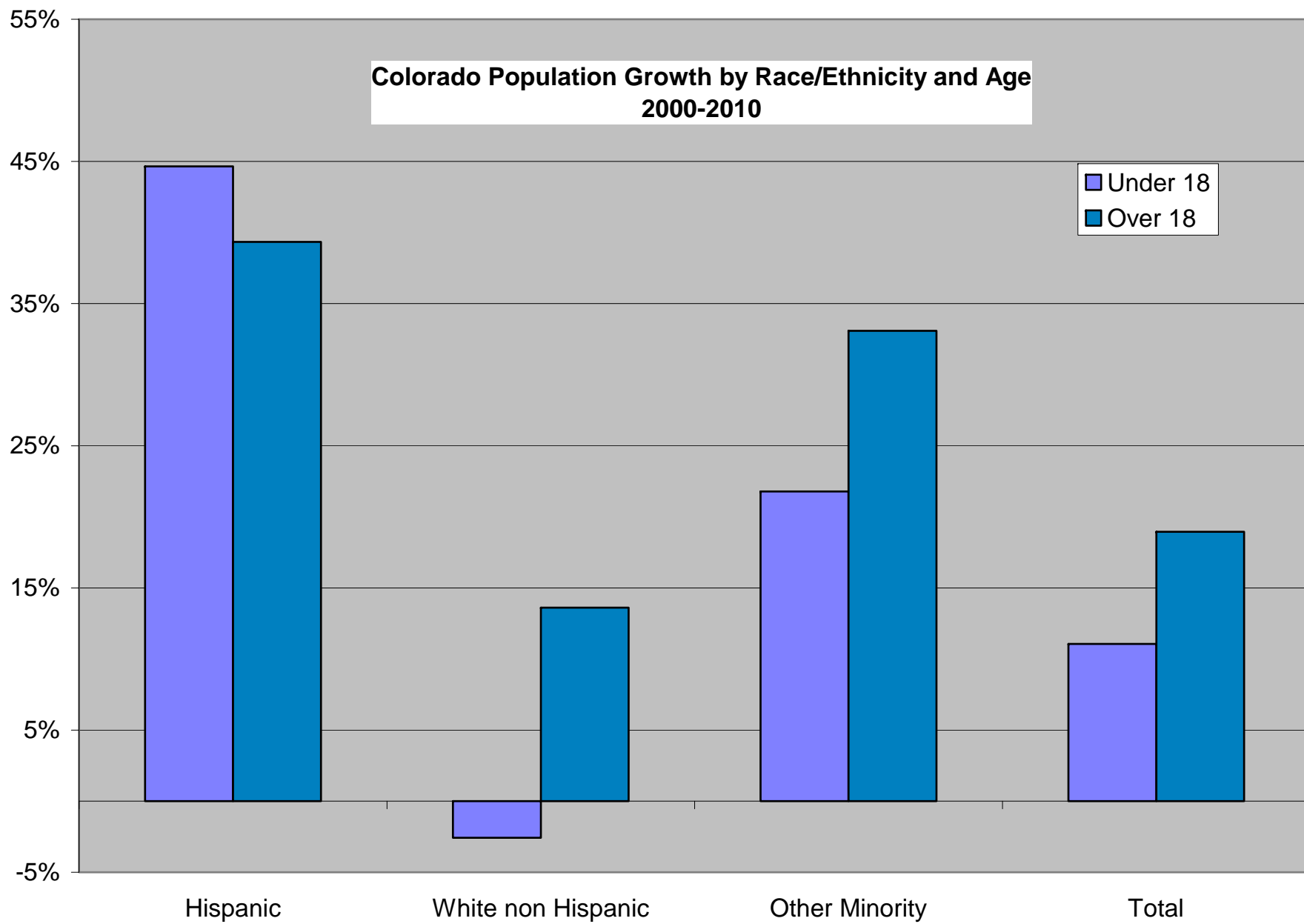
Growth

Decline

Douglas	31,535	Otero	-798
Adams	22,167	Prowers	-941
El Paso	20,196	Fremont	-1,293
Weld	19,368	Boulder	-4,083
Arapahoe	16,970	Jefferson	-14,396

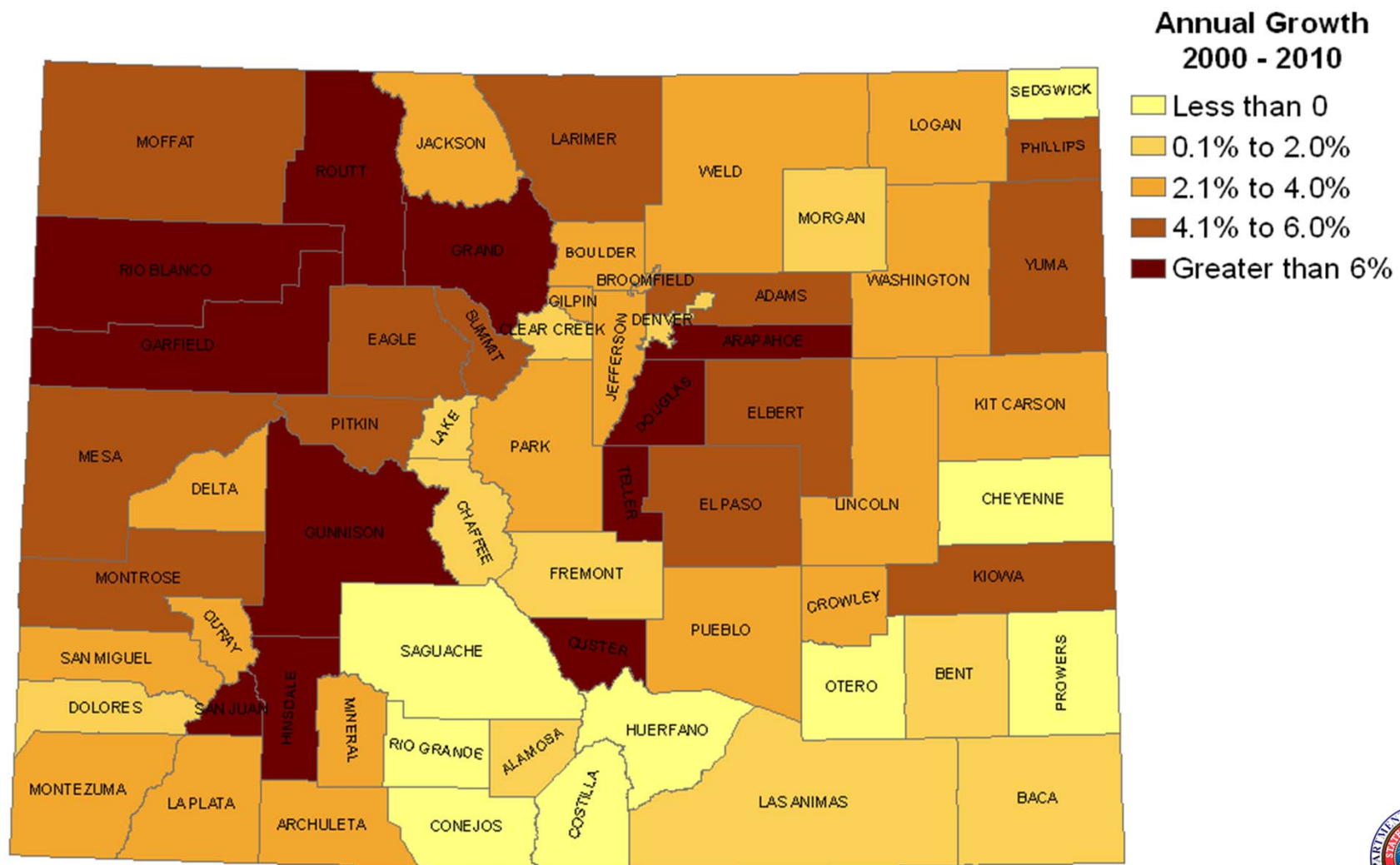
Douglas	56.8%	Sedgwick	-26.4%
Weld	38.0%	Huerfano	-27.9%
Eagle	30.8%	Cheyenne	-29.9%
Garfield	28.1%	Jackson	-35.5%
San Miguel	24.4%	Mineral	-40.6%

Source: Census 2010



Source: Census 2010

Change in Hispanic Population

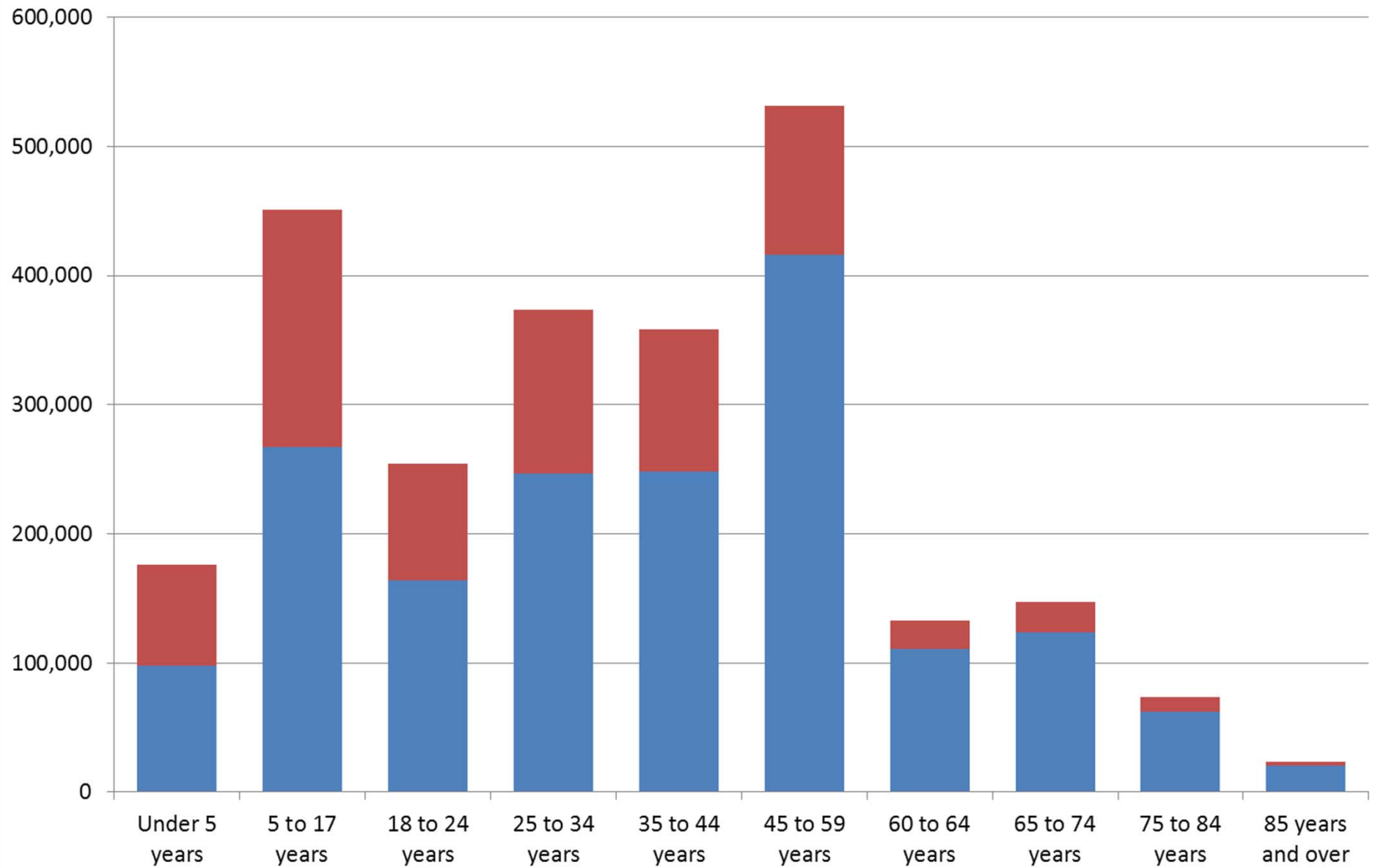


Source: US Census Bureau



Colorado Race/Ethnicity by Age, 2010 Census

■ White, non Hispanic ■ Minority

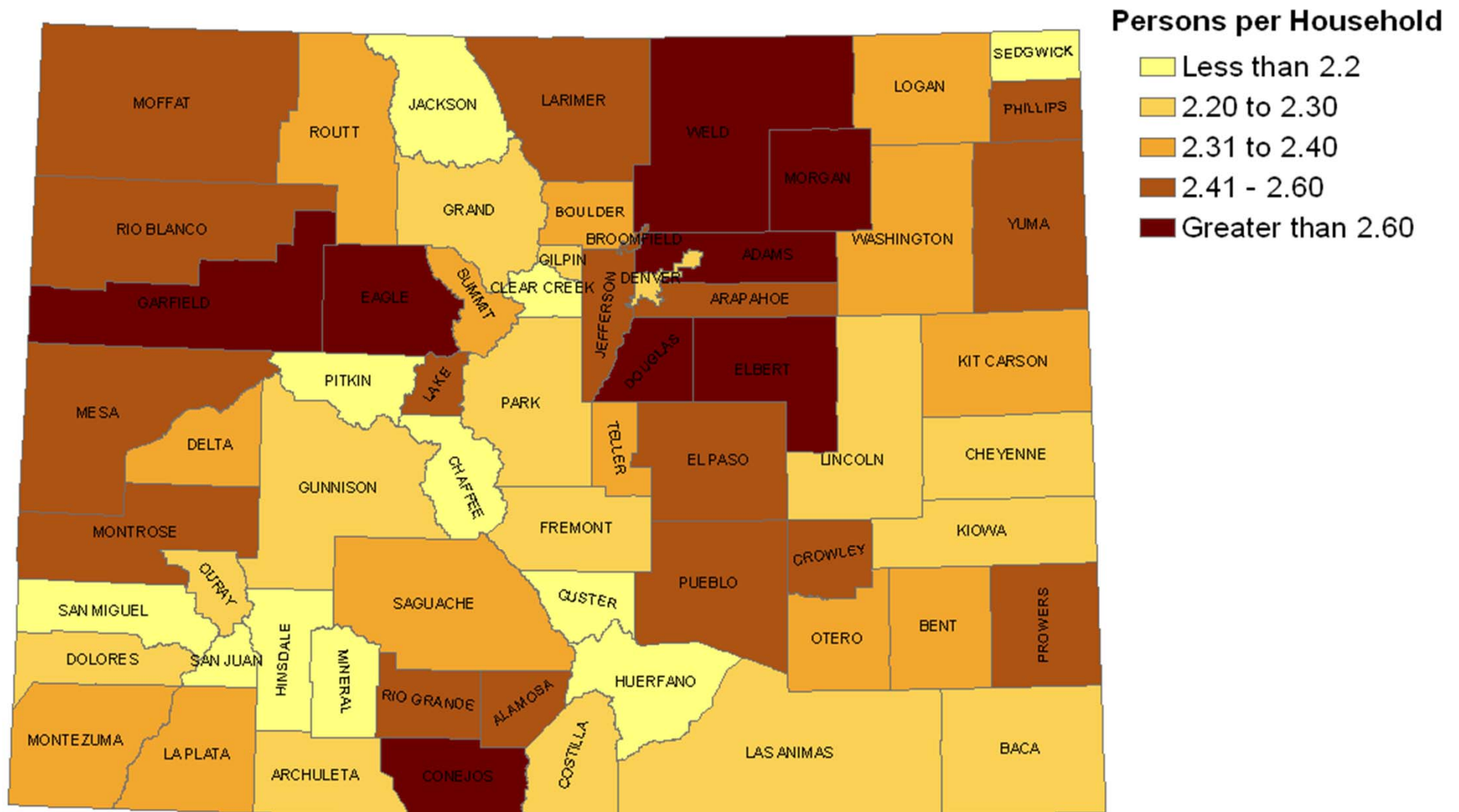


Households

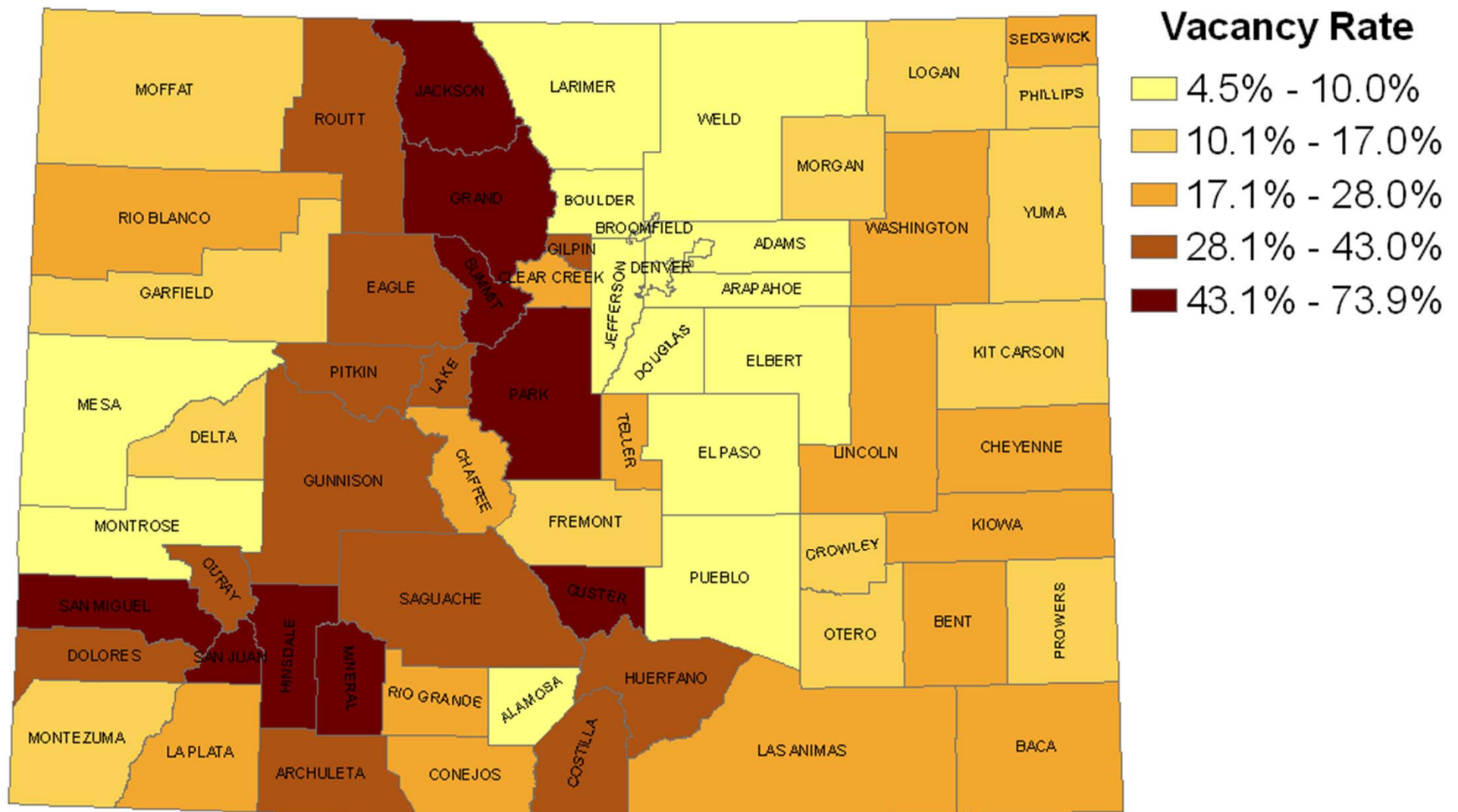
- Overall, household size is decreasing (2.53 to 2.49)
- Factors pushing household sizes down
 - “Echo boomers moving out”
 - Young people delaying marriage and children
 - Increasingly common to see 65+ age single person households
- Factors pushing household sizes up
 - Hispanics tend to have larger households
 - Older households starting to consolidate to pool in-home health services.
 - Economy – families and friends moving in together.



Persons Per Household – Census 2010



Vacancy Rates – Census 2010



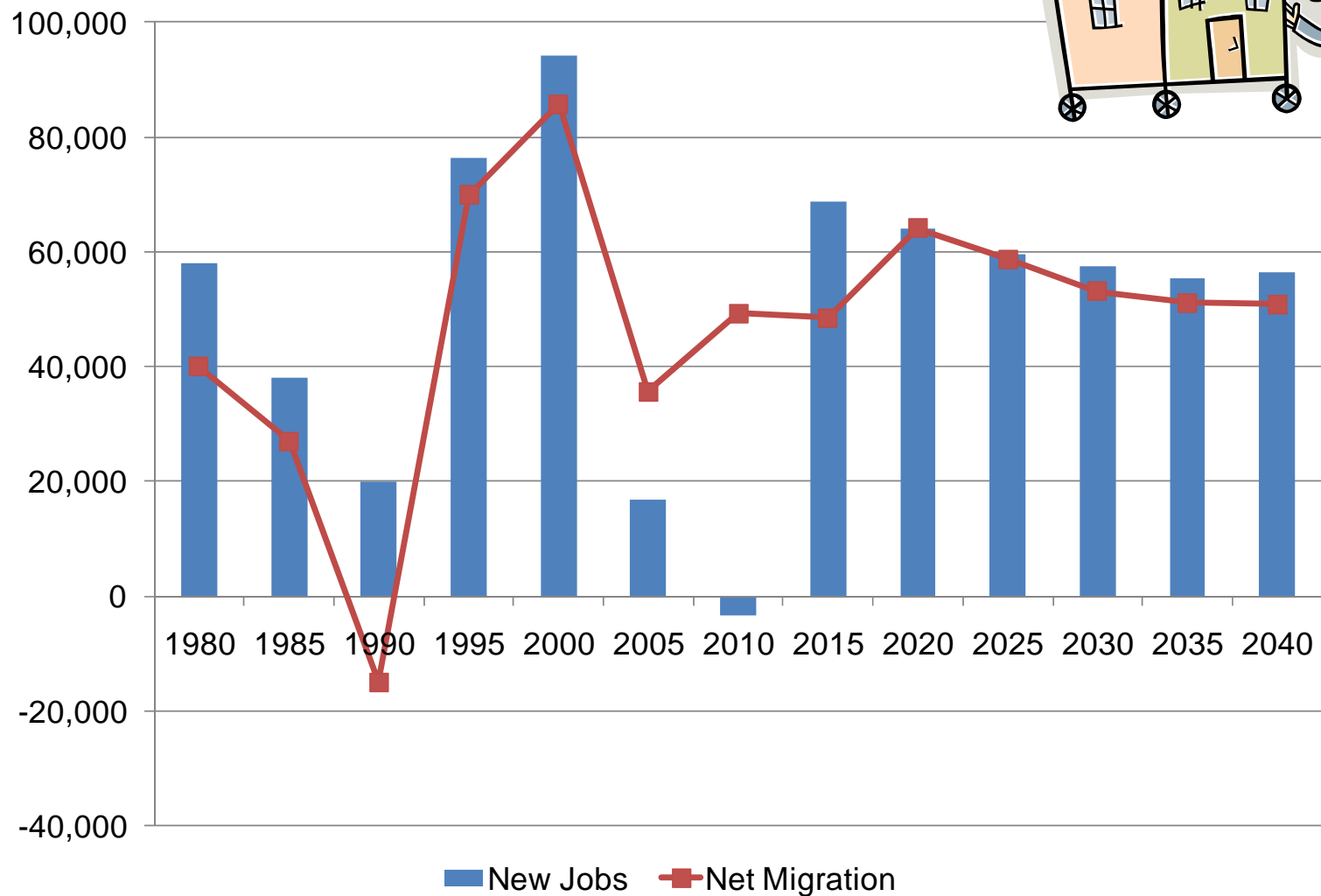
How Do the Results from Census 2010 Impact Our Forecasts??

- New Base
 - Revise forecasts
 - Larger impact in short run.
- Analyze differences – lessons learned
 - Informed vs. naive
- Revise estimates from 2000-2010
 - Sept-Oct.

Economic and Population Forecasts

- **Population change tied to understandings of both economic and demographic change.**
 - Demographic cohort-survival model = supply of labor provided by existing populations.
 - Economic forecast = demand for labor.
 - Economic Drivers
 - National Forecast
 - Local information – openings/closures
 - Differences in labor supply vs. labor demand resolved by the net migration of populations and associated household members

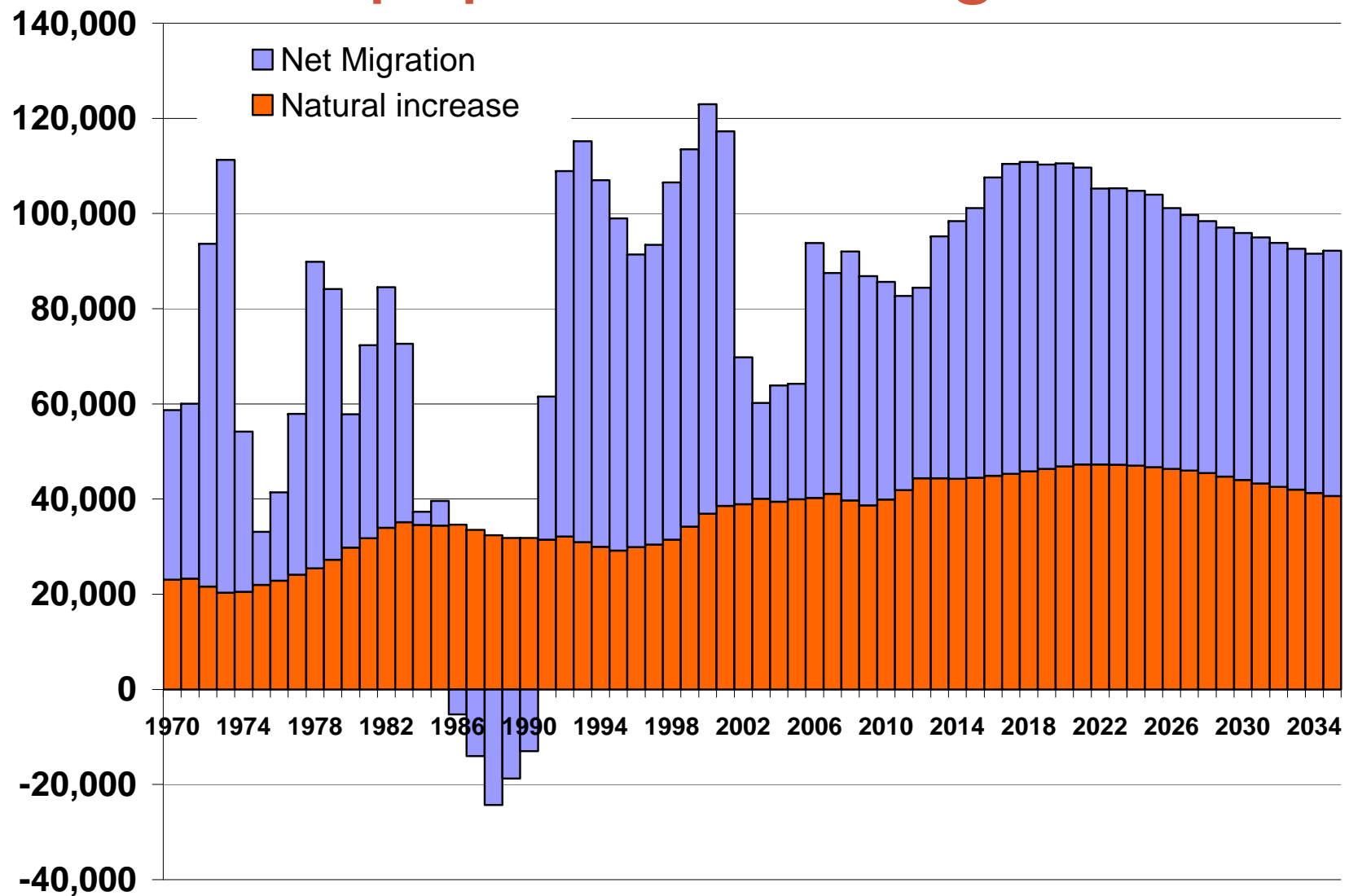
Migration, employment



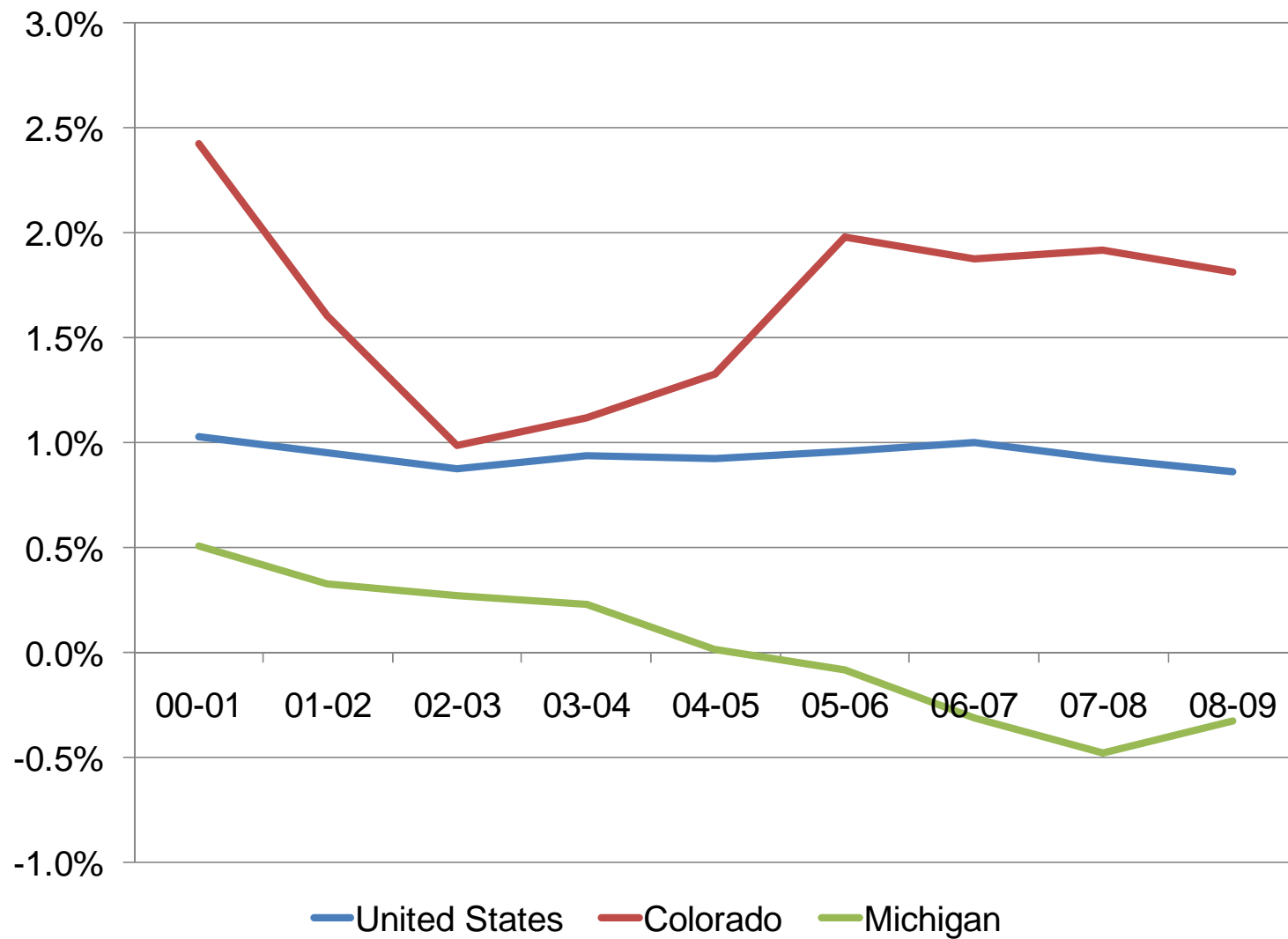
Source: State Demography Office



Colorado population change



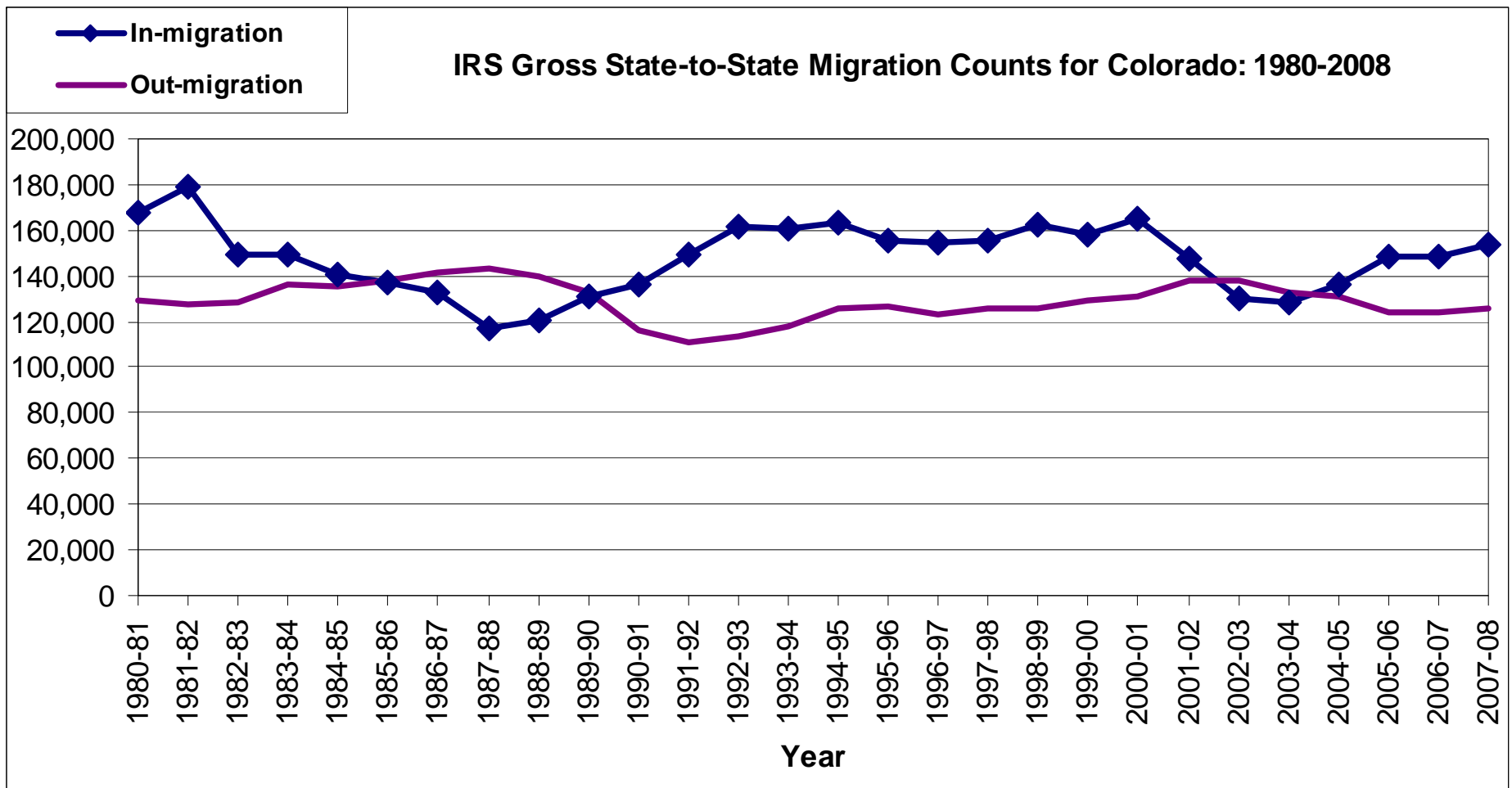
Economy and migration



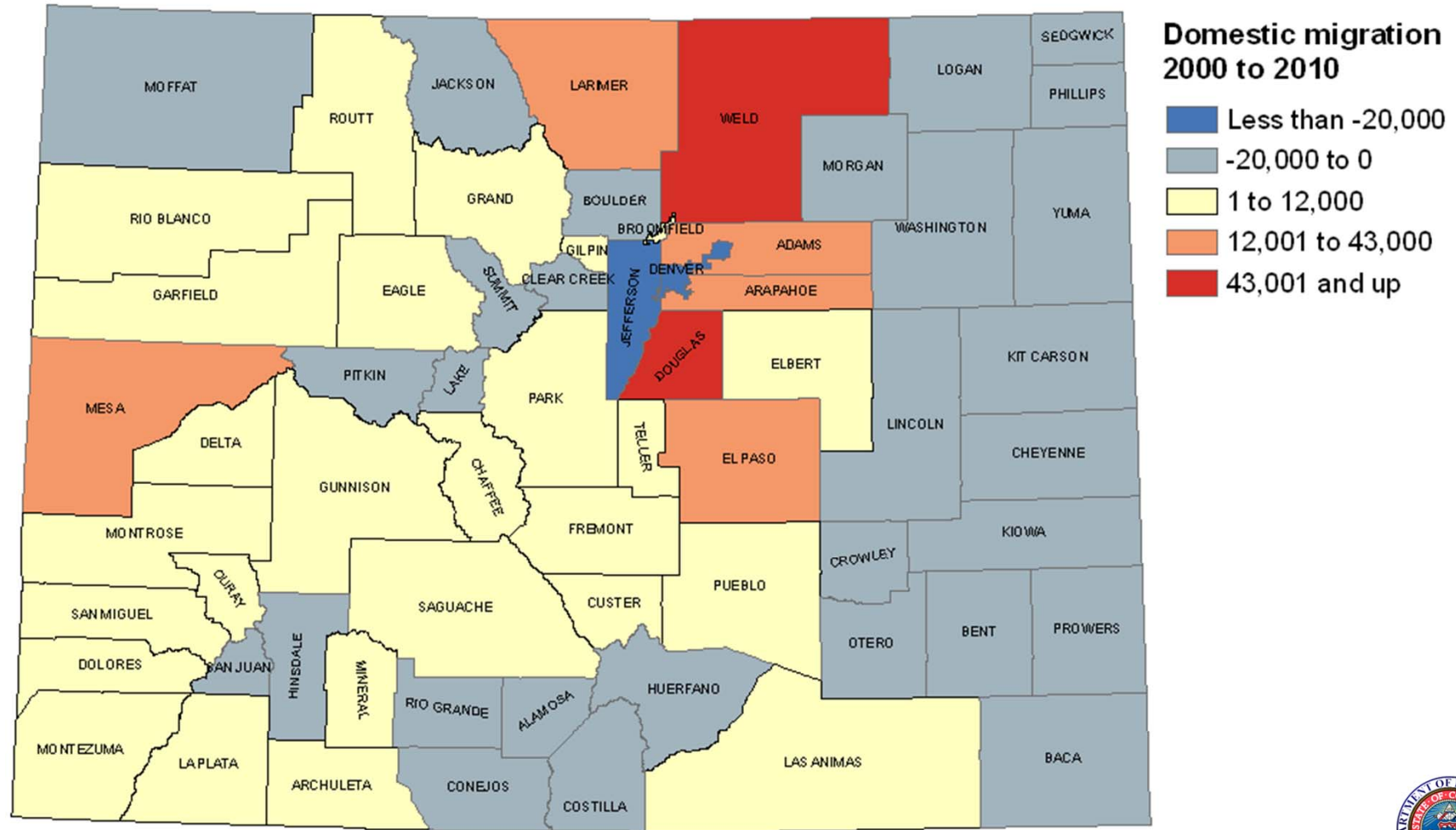
Source: US Census



Gross Migration



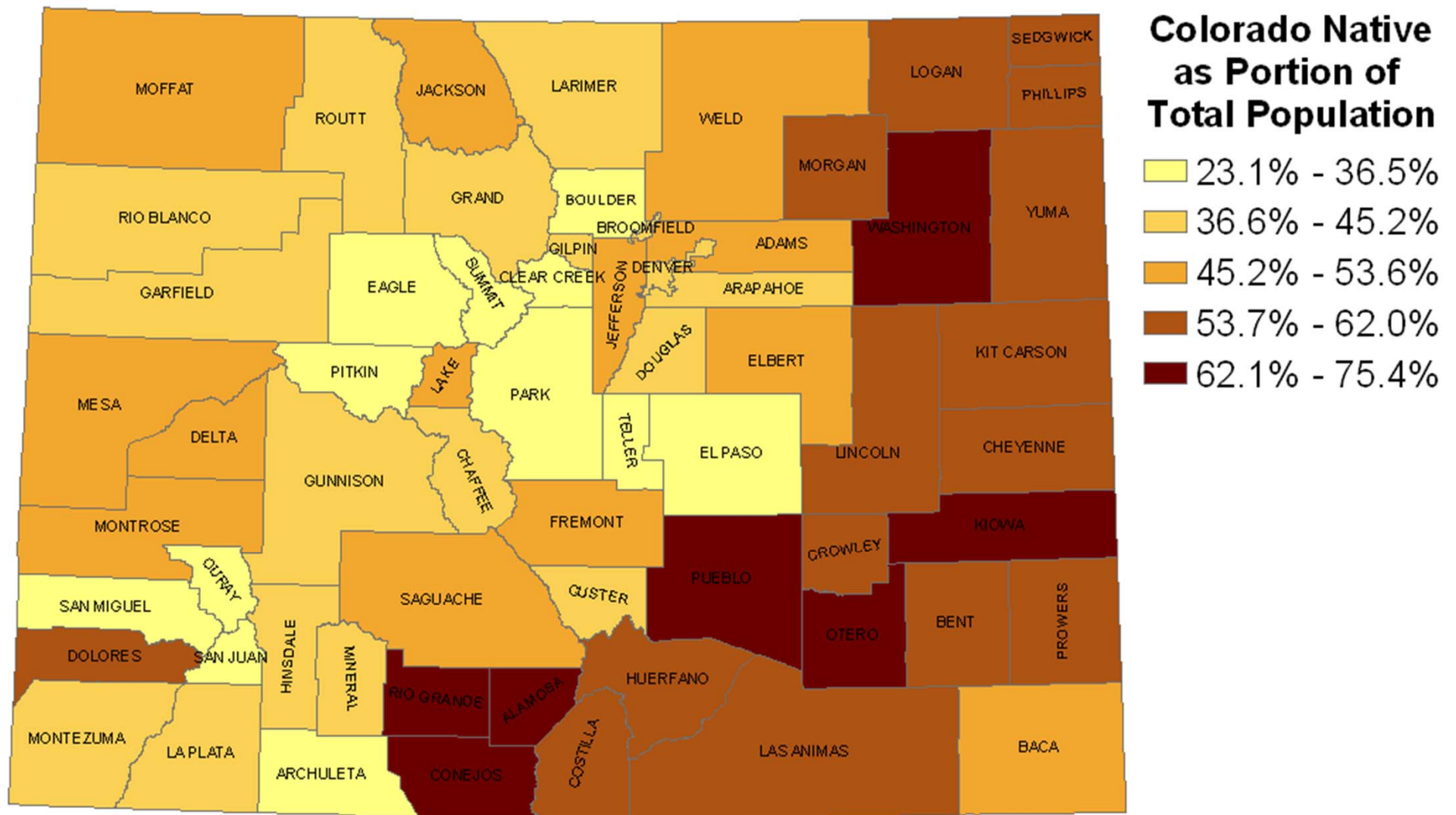
Domestic migration, 2000 to 2010



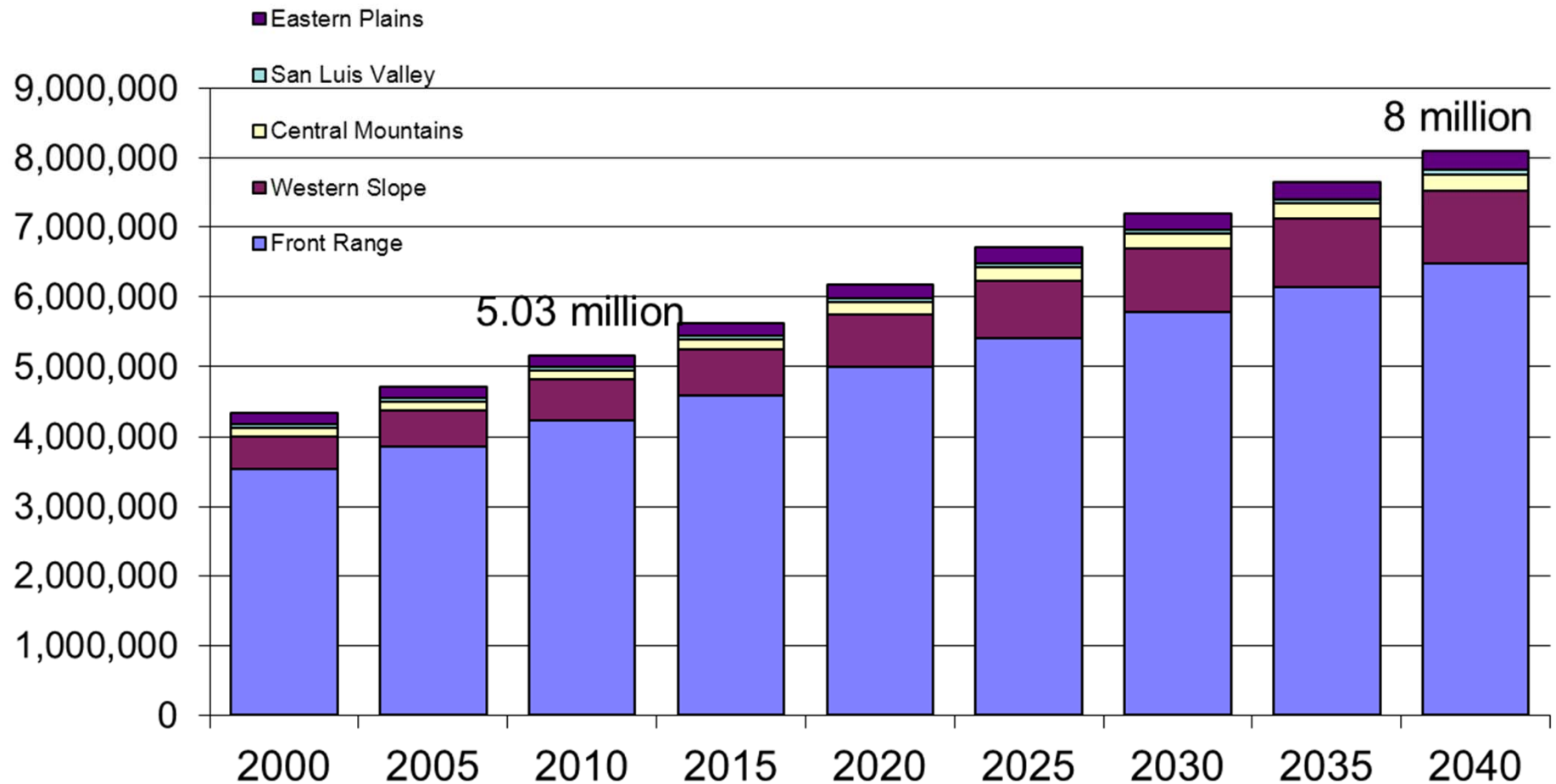
Source: State Demography Office, US Census



Colorado Native Born Population



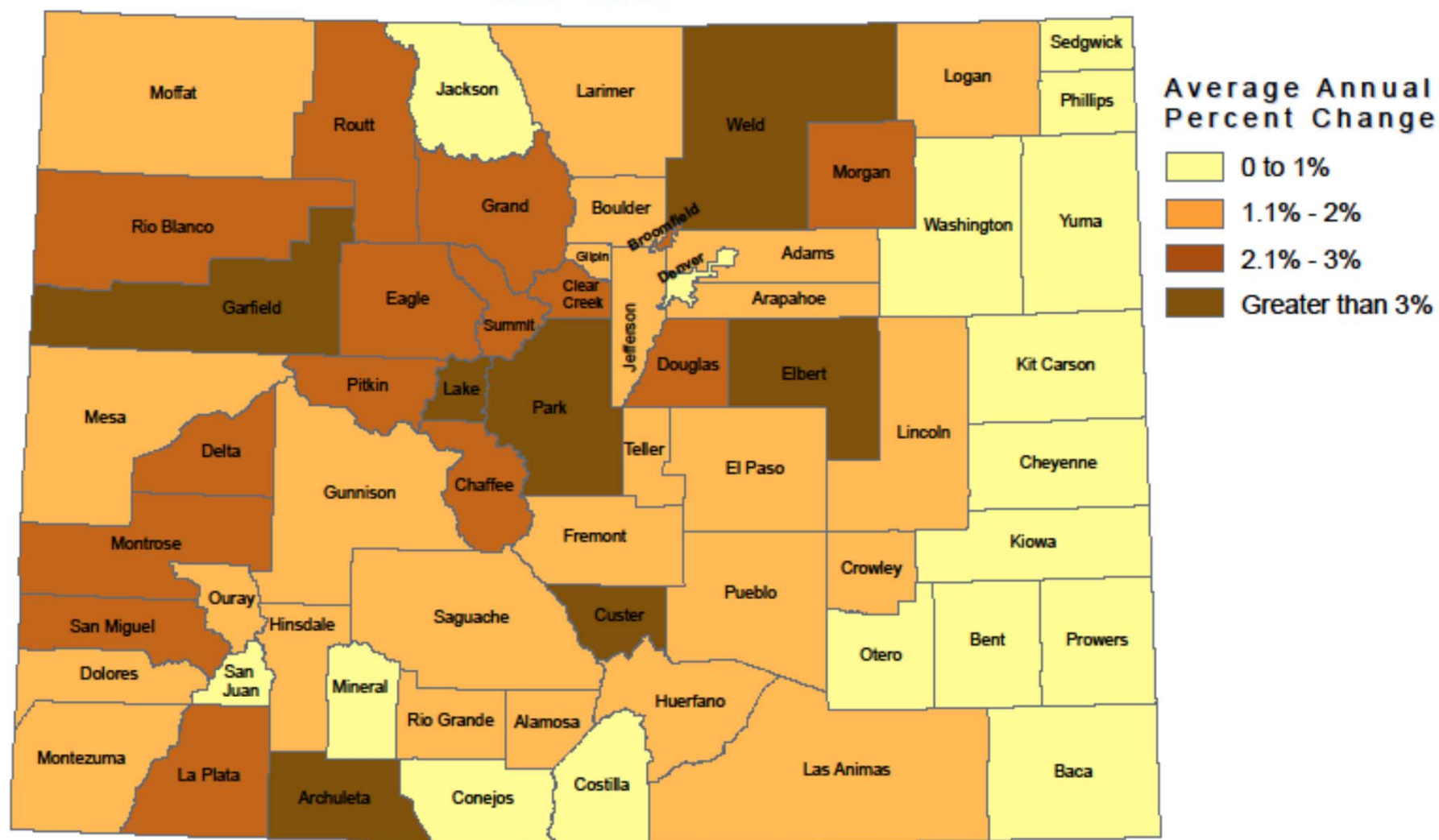
Population by Sub-State Area



Source: State Demography Office

Colorado Population Growth

Average Annual Percent Change
2010 - 2030



Source: State Demography Office
Data prepared: February, 2011

Uncertainty

- Survival rates
 - Mortality levels most certain part of the model.
Relatively little variations by region or over time.
- Fertility
 - Very accurate, however, more variation by region.
- Migration
 - Job forecasts, relative growth by region, and labor force participation rates are all subject to error.
 - Consistent and within the context of national forecasts, expert review.
- Informed forecast compared to naive forecast (MAPE 4.65 vs. 13.25)

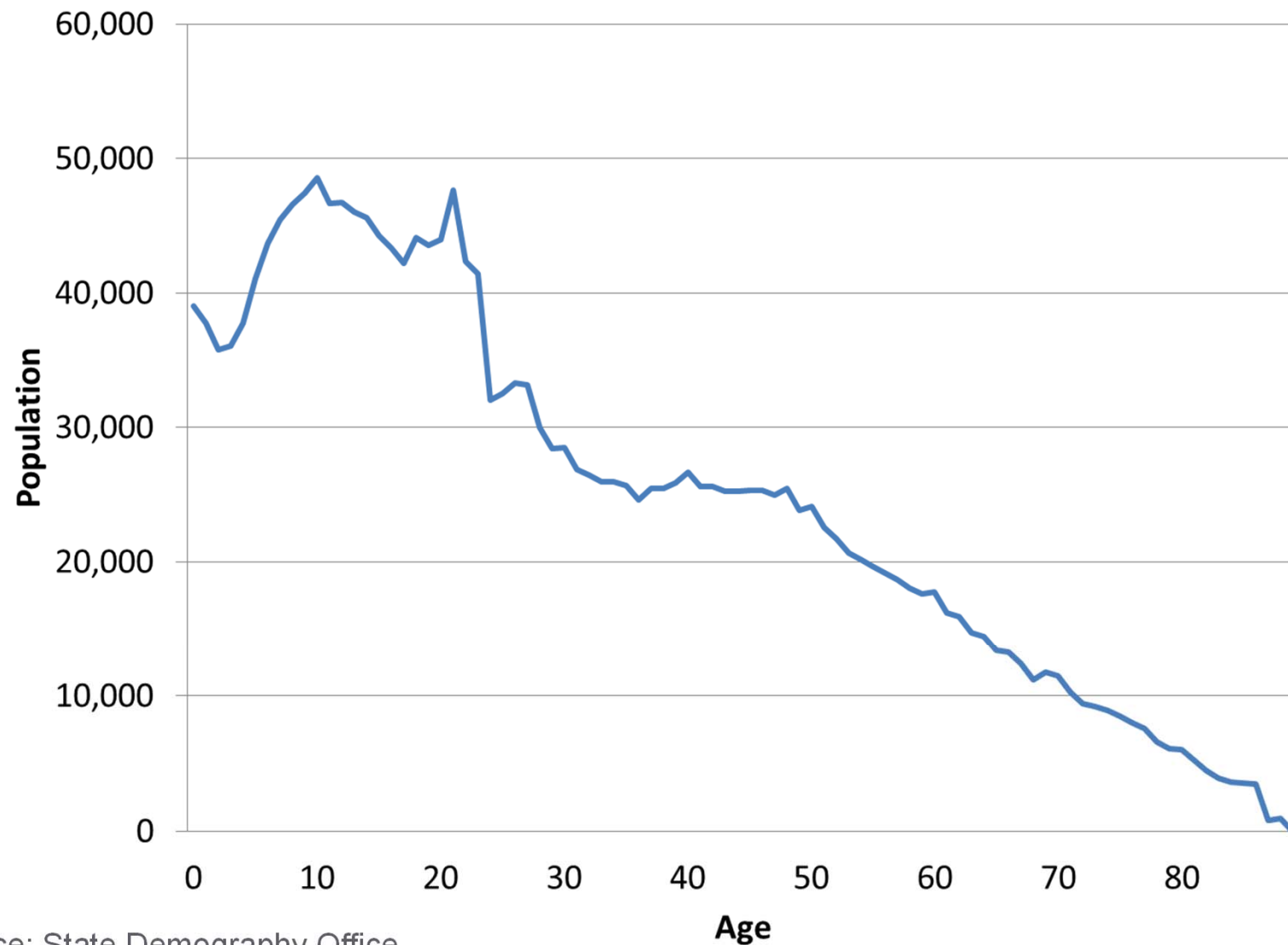
Aging Boomers



- Born 1946 – 1964 (between 47-65 years old)
- Between 2000 and 2010, Colorado's population 55 – 64 increased by an annual average of **6.1%** from 338,000 to 619,000 compared to the total population of **1.7%**
- By 2030, Colorado's population 65+ will be 150% larger than it was 2010 growing from 540,000 to 1,350,000. (just from aging)
- Colorado Population over 65 was 330K in 1990



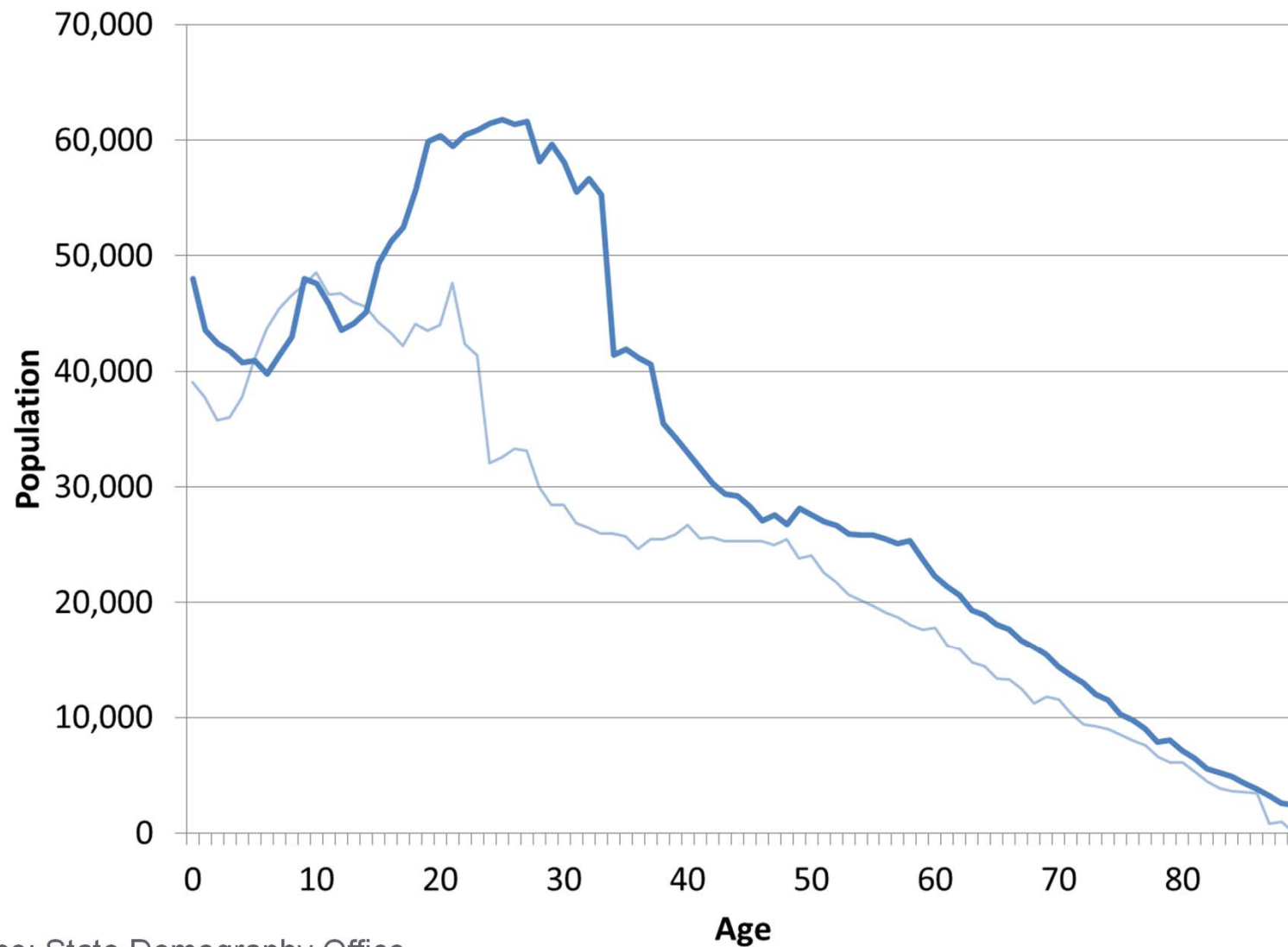
Population by age, 1970



Source: State Demography Office



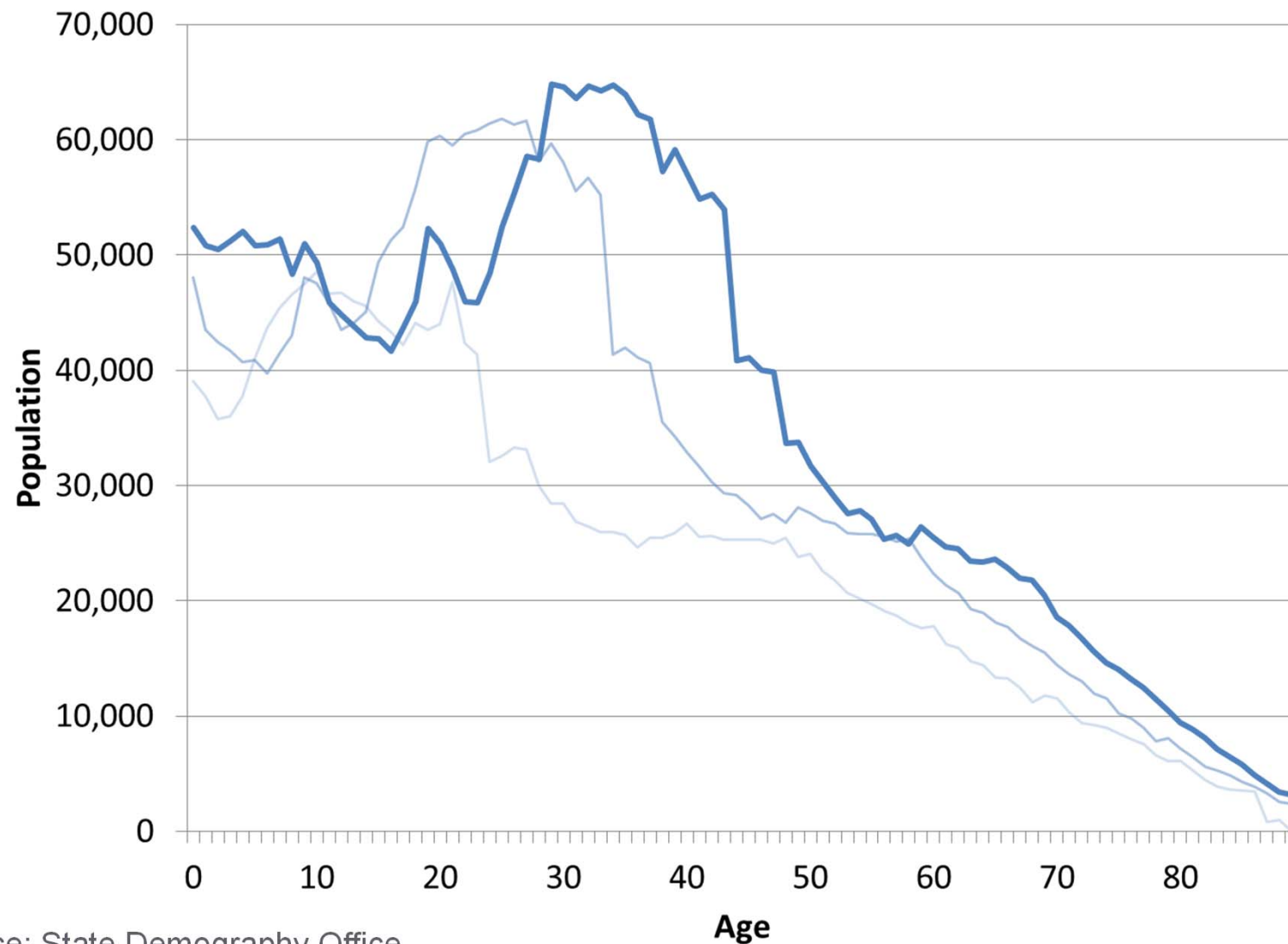
Population by age, 1980



Source: State Demography Office



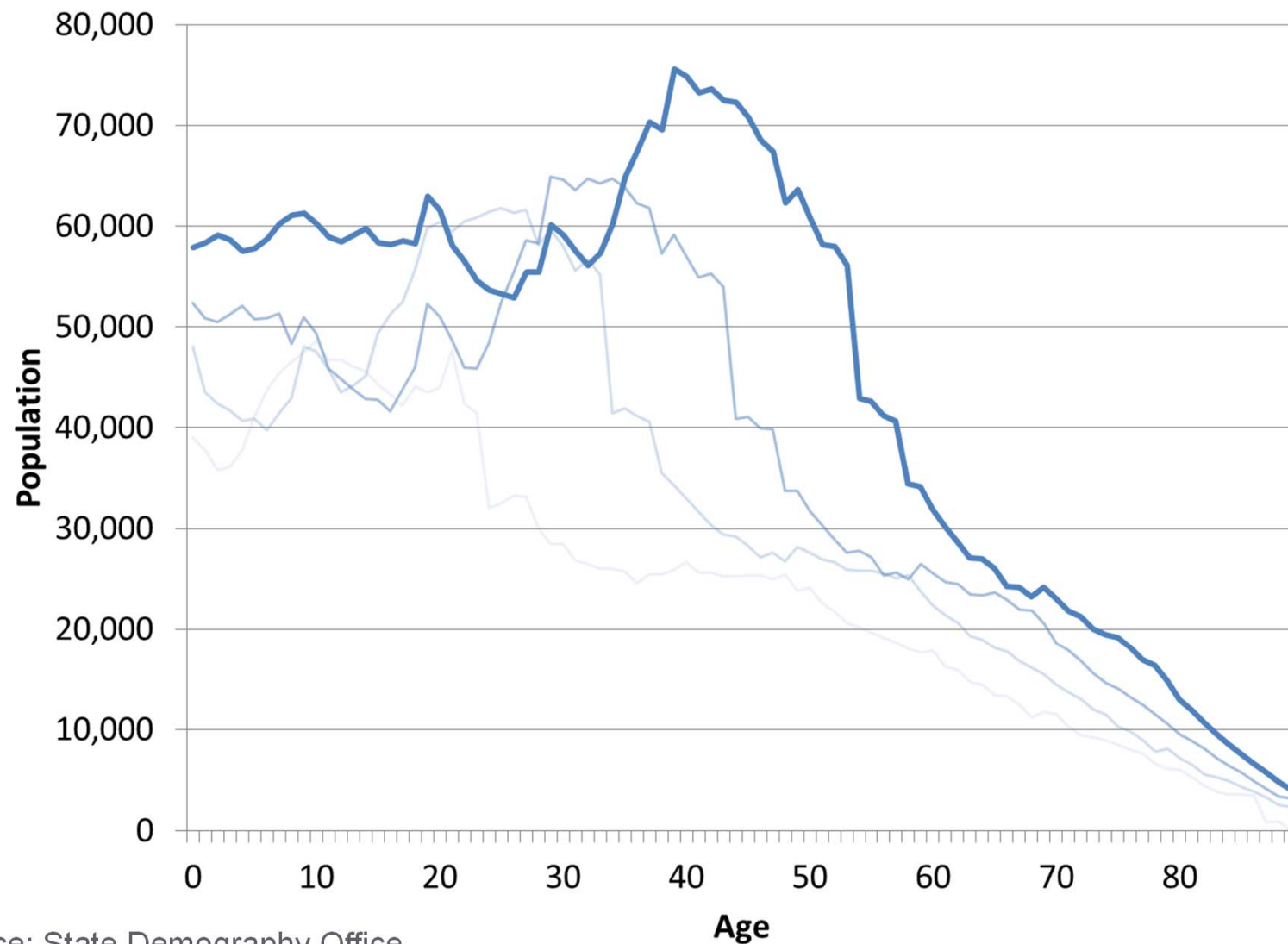
Population by age, 1990



Source: State Demography Office



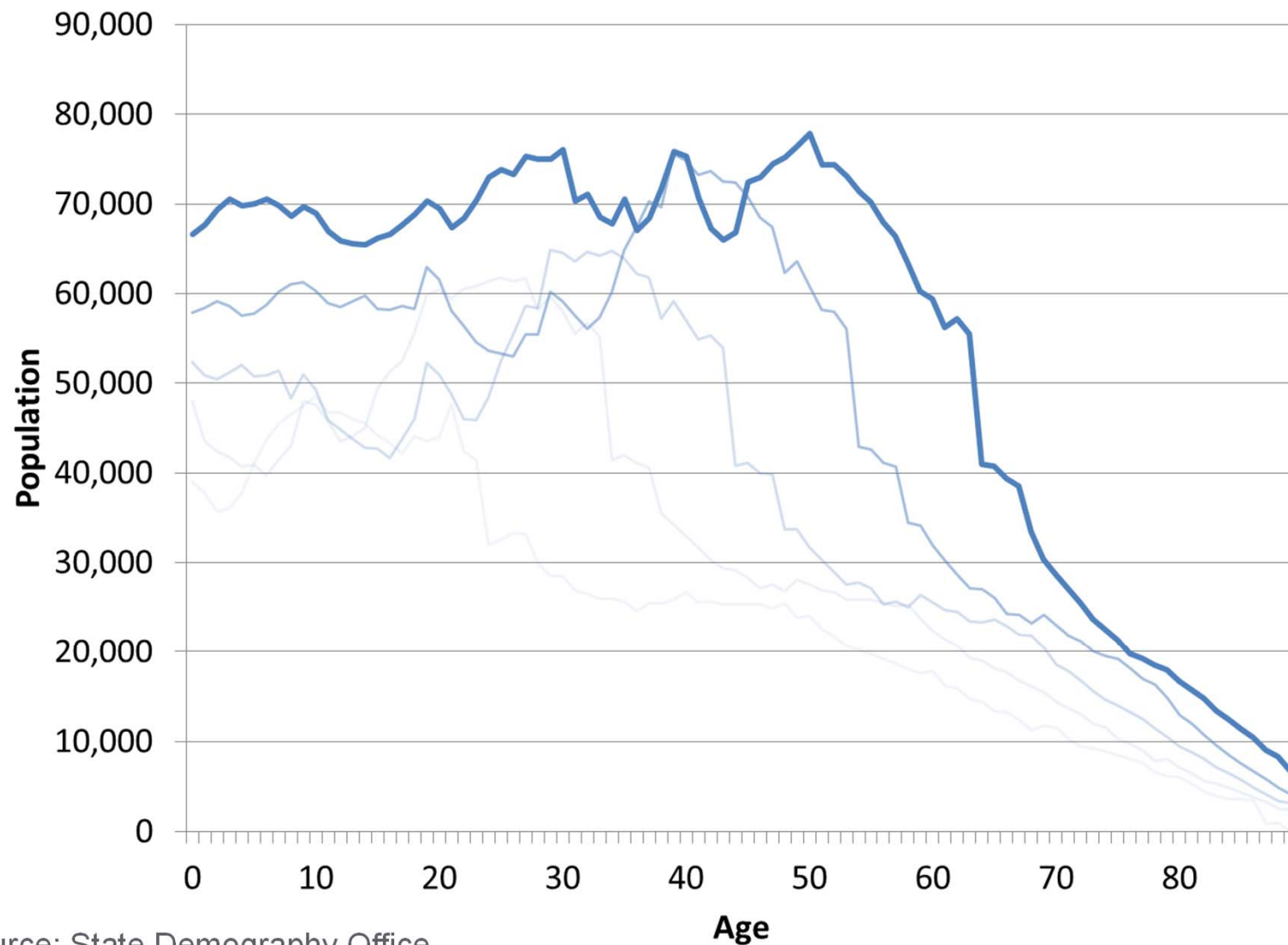
Population by age, 2000



Source: State Demography Office



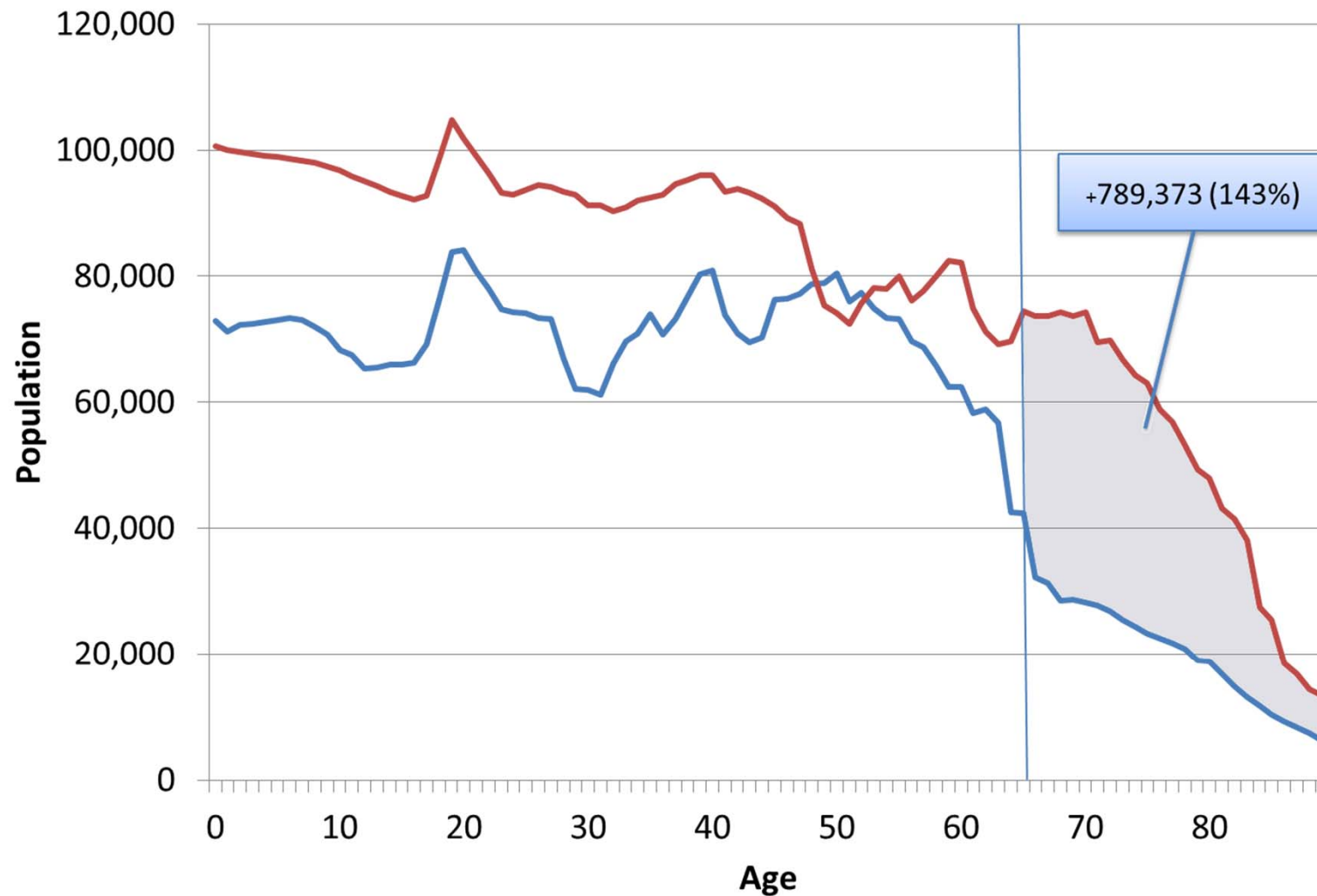
Population by age, 2010



Source: State Demography Office



Population by age, 2010 - 2030

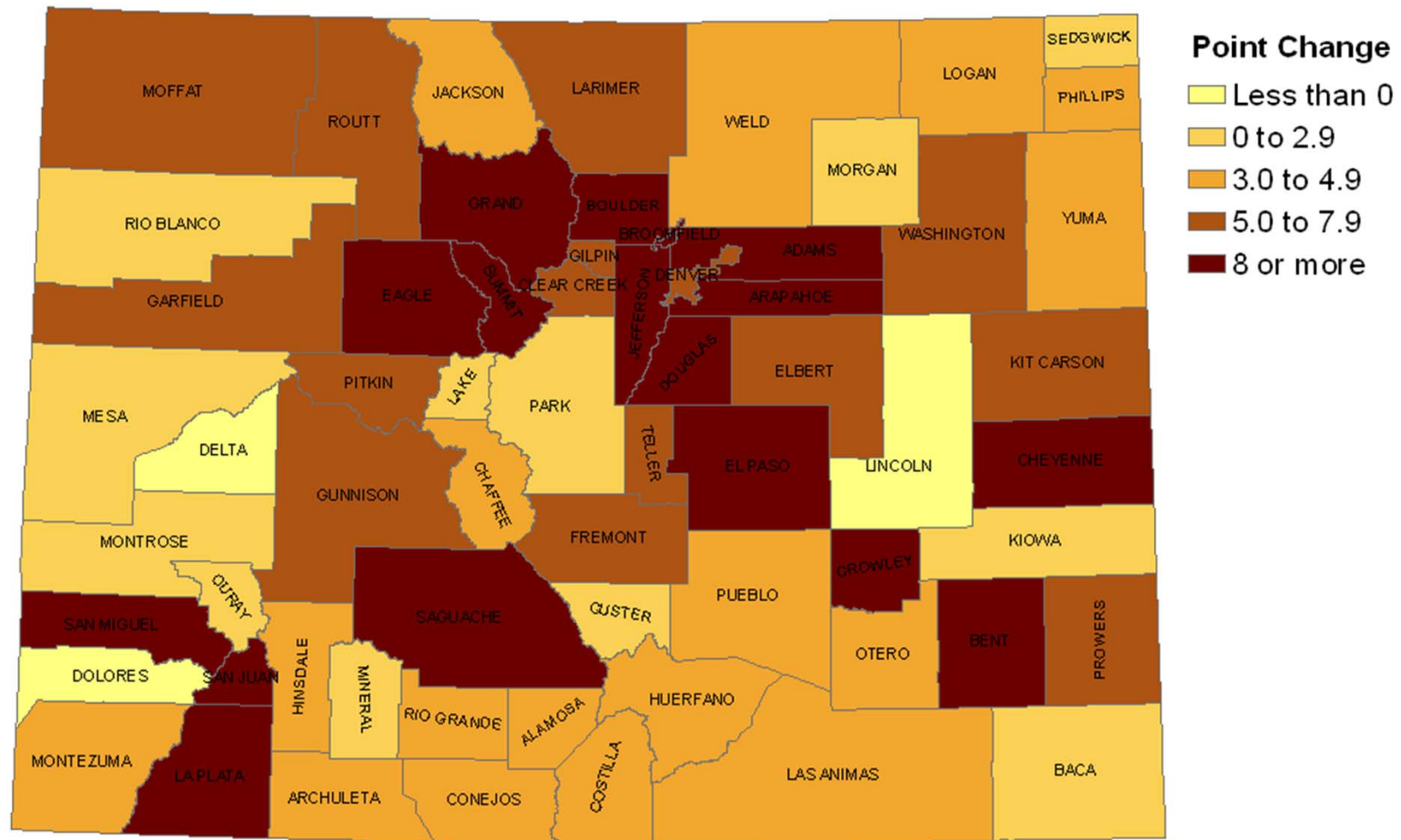


Source: State Demography Office

— 2010 — 2030



Percentage point change of 65+ share of population, 2010 - 2030



Source: State Demography Office



So what?

- Numbers – never had large share 65+
- Household size
- Housing type.
- Consumption, taxes
- What happens to income when residents retire?
- What happens in labor markets?
- Economic driver - .25 jobs/person 65+
 - Occupational mix.
- Health services.
- Transportation



Demographics and Income

Household Income can be influenced by:

- Age distributions
 - An increase at the young or older end will cause median HH Inc. to fall.
- Household type – 1 or 2 adults, with or without kids
- Race/ethnicity and gender of householder
- Occupational Structure
- Educational attainment
- Youth unemployment – long term permanent impact on earnings.

Thank you

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Department of Local Affairs

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www.colorado.gov/demography



<http://colorado.gov/demography>



- Population
- Economy
- GIS
- Census Data

